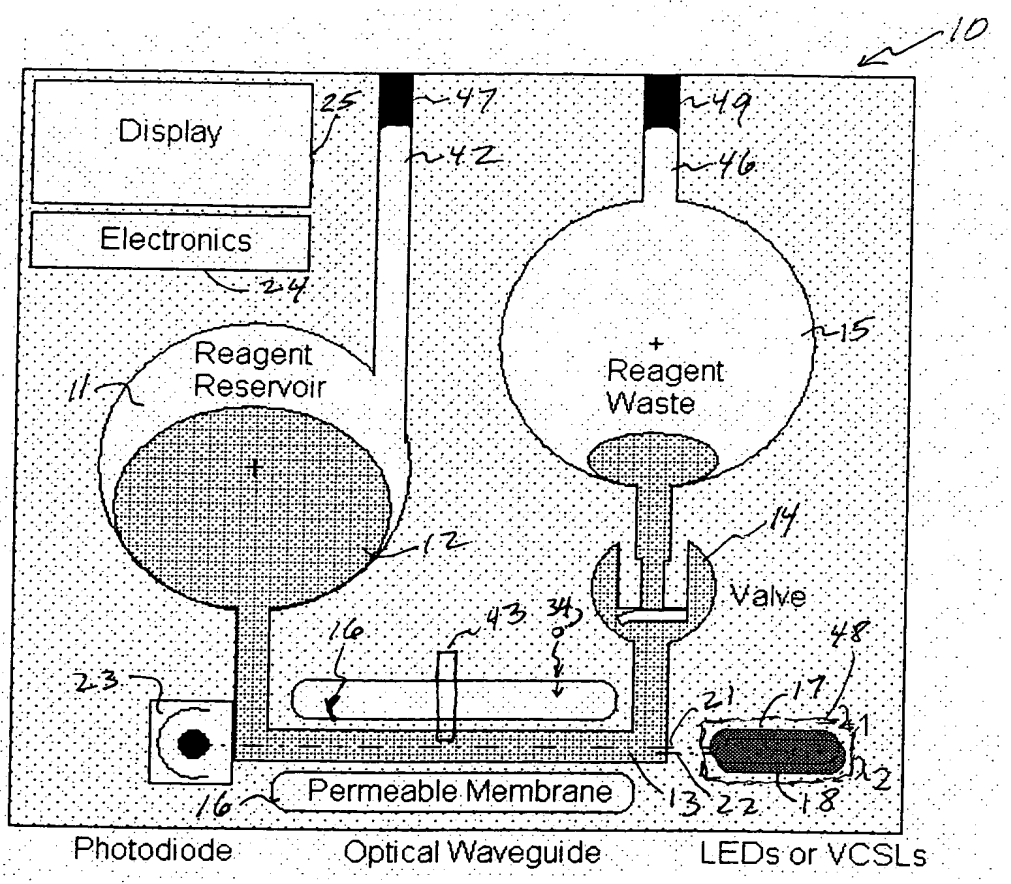

FIGURE 1

H0004834 (1100.1205101)

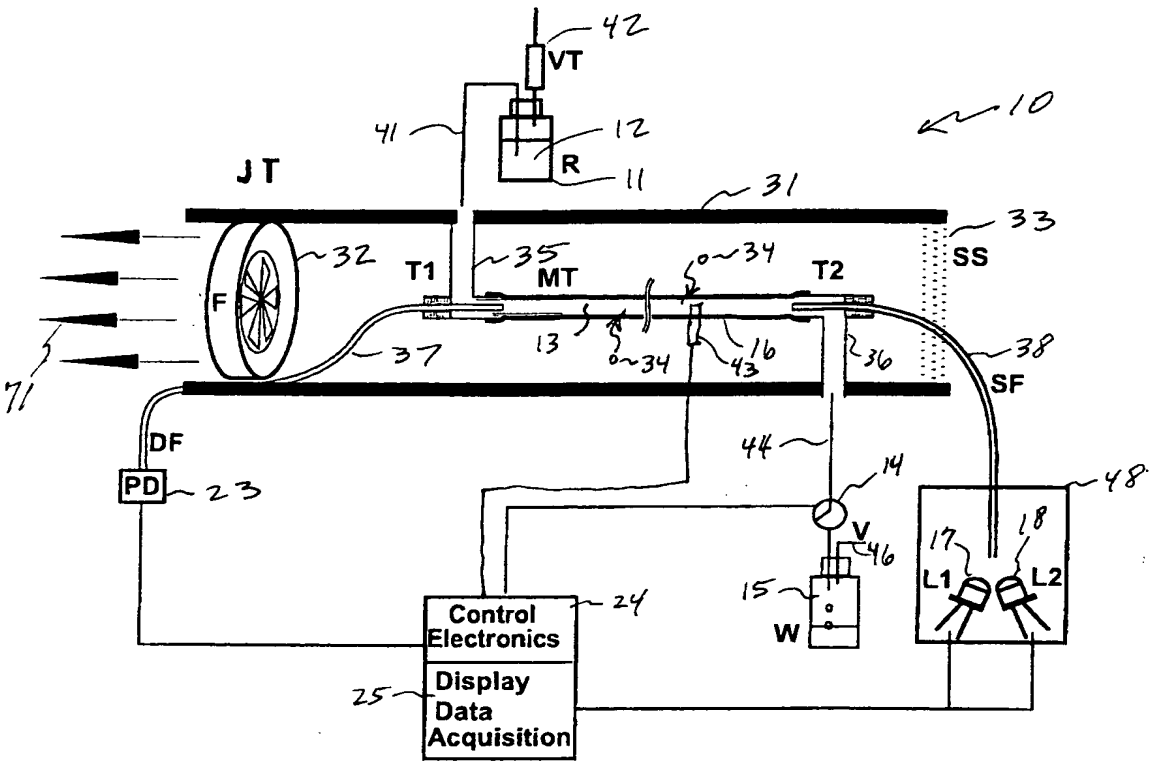
42
VT
41
12
R
11
10
JT
31
33
32
T1
35
MT
34
T2
SS
F
13
34
16
43
36
38
37
71
SF
DF
44
PD
23
14
48
V
46
17
18
L1
L2
15
W
Control Electronics
24
Display Data Acquisition
25

FIGURE 2

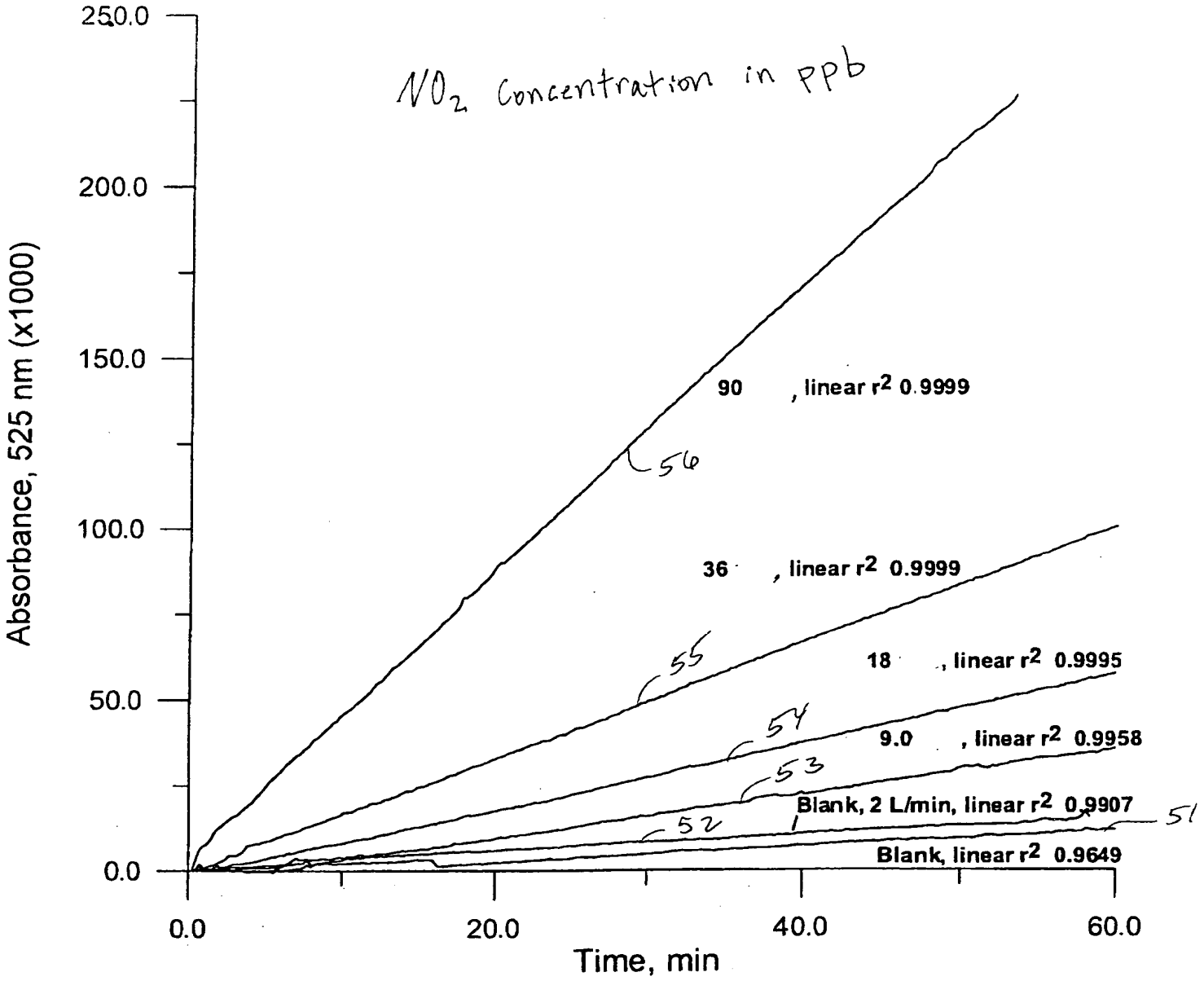
250.0
200.0
150.0
100.0
50.0
0.0
Absorbance, 525 nm (x1000)
NO_2 Concentration in ppb
90 , linear r2 0.9999
56
36 , linear r2 0.9999
55
18 , linear r2 0.9995
54
9.0 , linear r2 0.9958
53
Blank, 2 L/min, linear r2 0.9907
52
51
Blank, linear r2 0.9649
0.0
20.0
40.0
60.0
Time, min

FIGURE 3

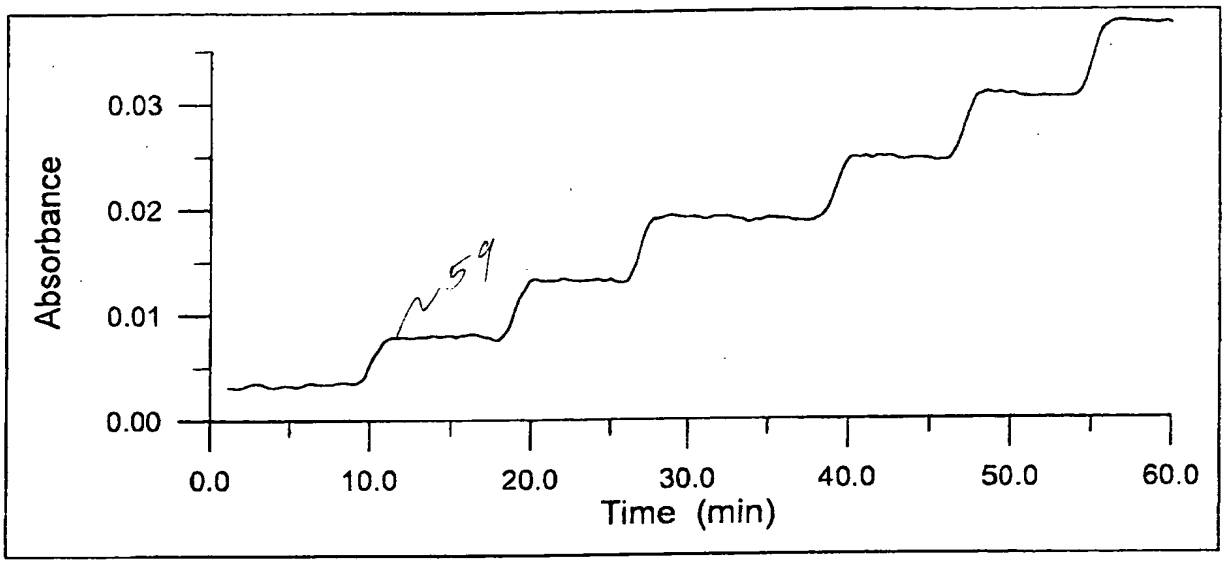

FIGURE 4

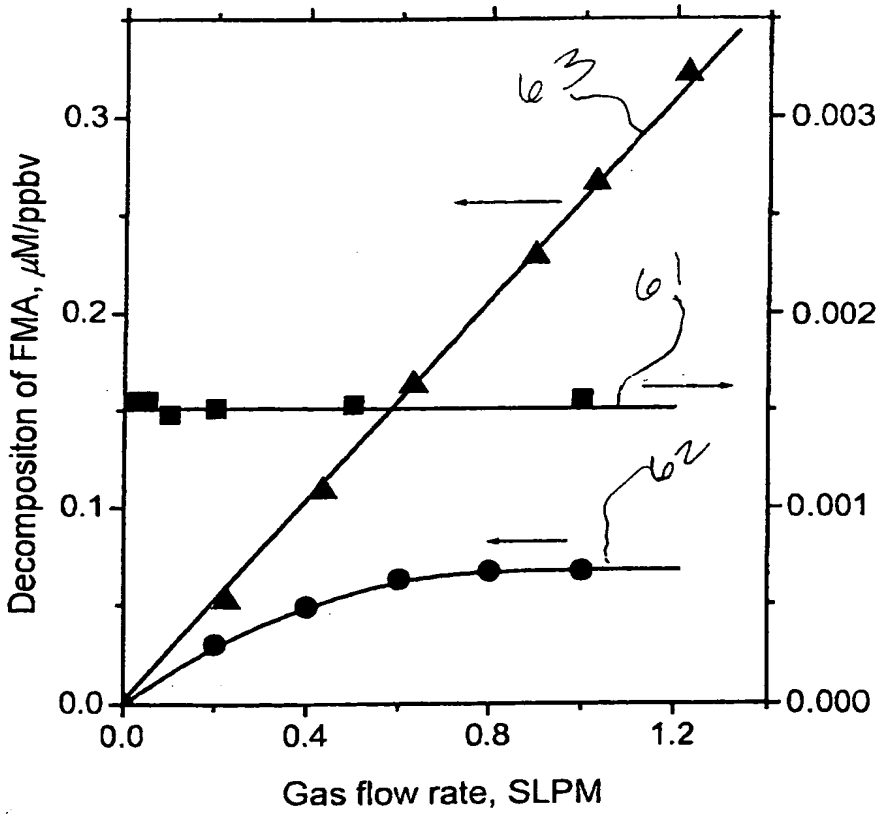

FIGURE 5

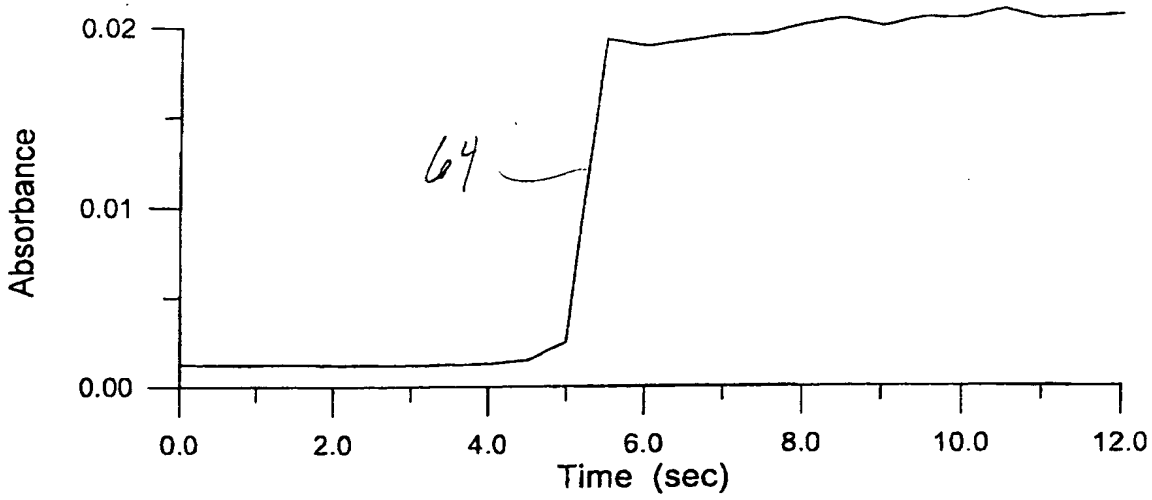

FIGURE 6

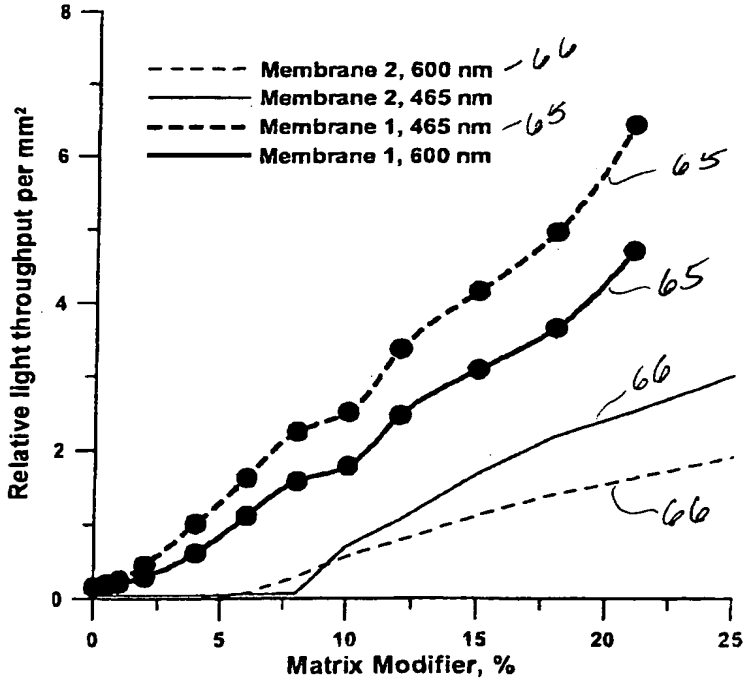

FIGURE 7

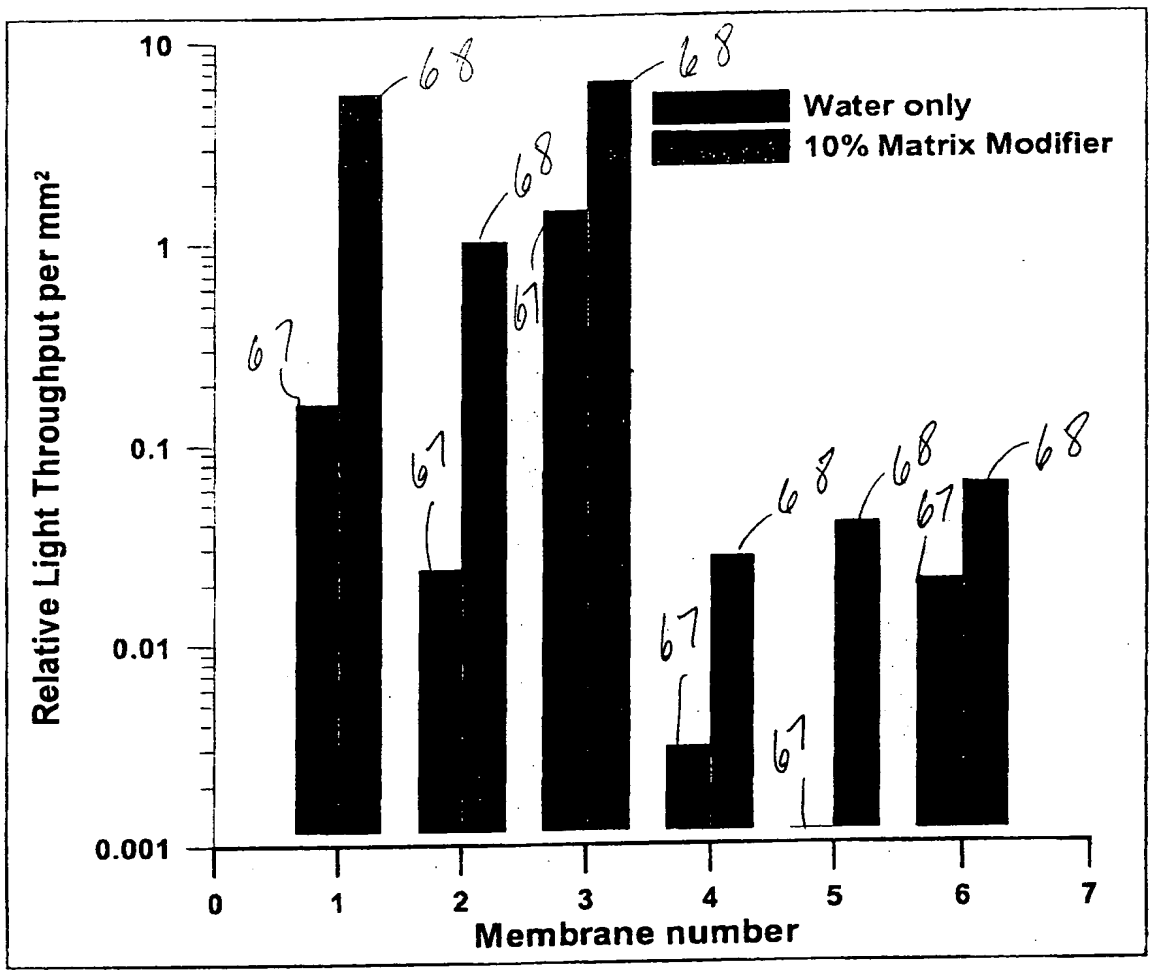

FIGURE 8

BEST AVAILABLE COPY

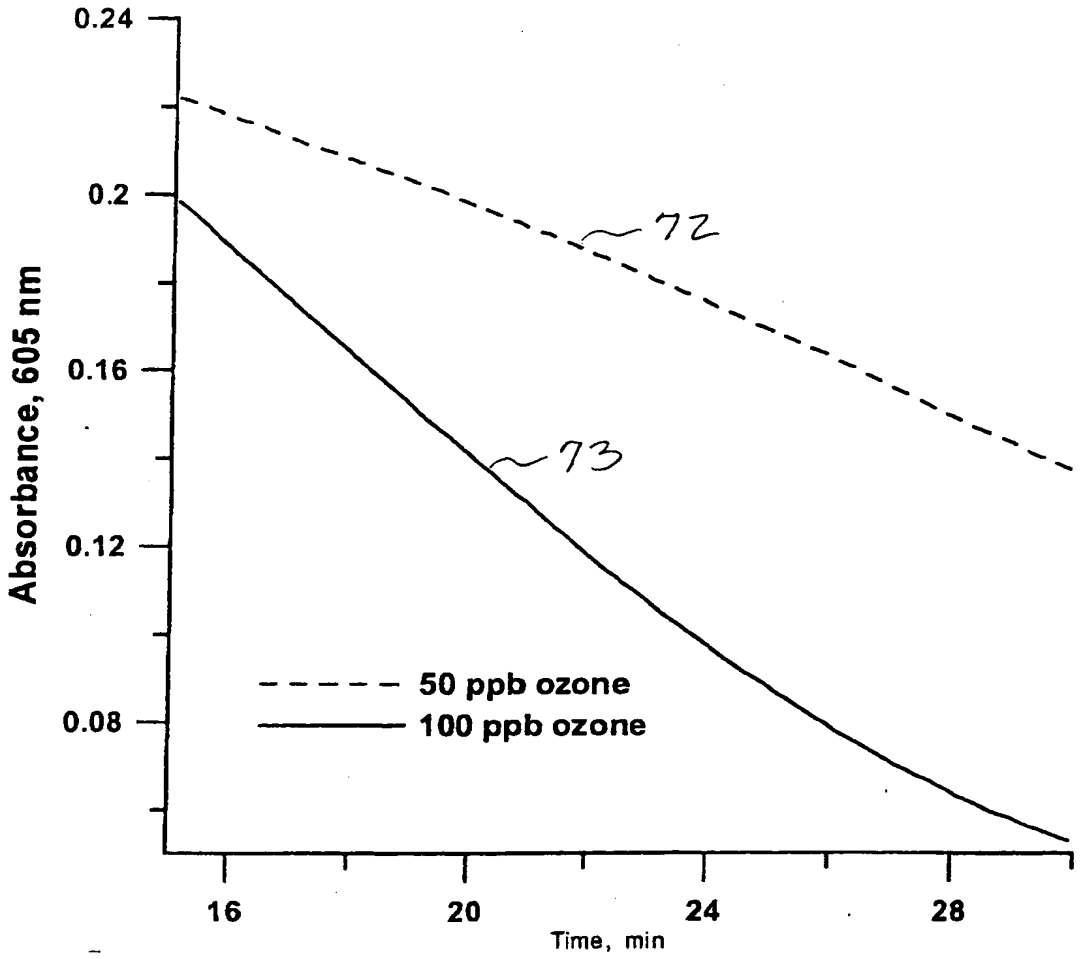
0.24
0.2
0.16
0.12
0.08
Absorbance, 605 nm
72
73
50 ppb ozone
100 ppb ozone
16
20
24
28
Time, min

FIGURE 9

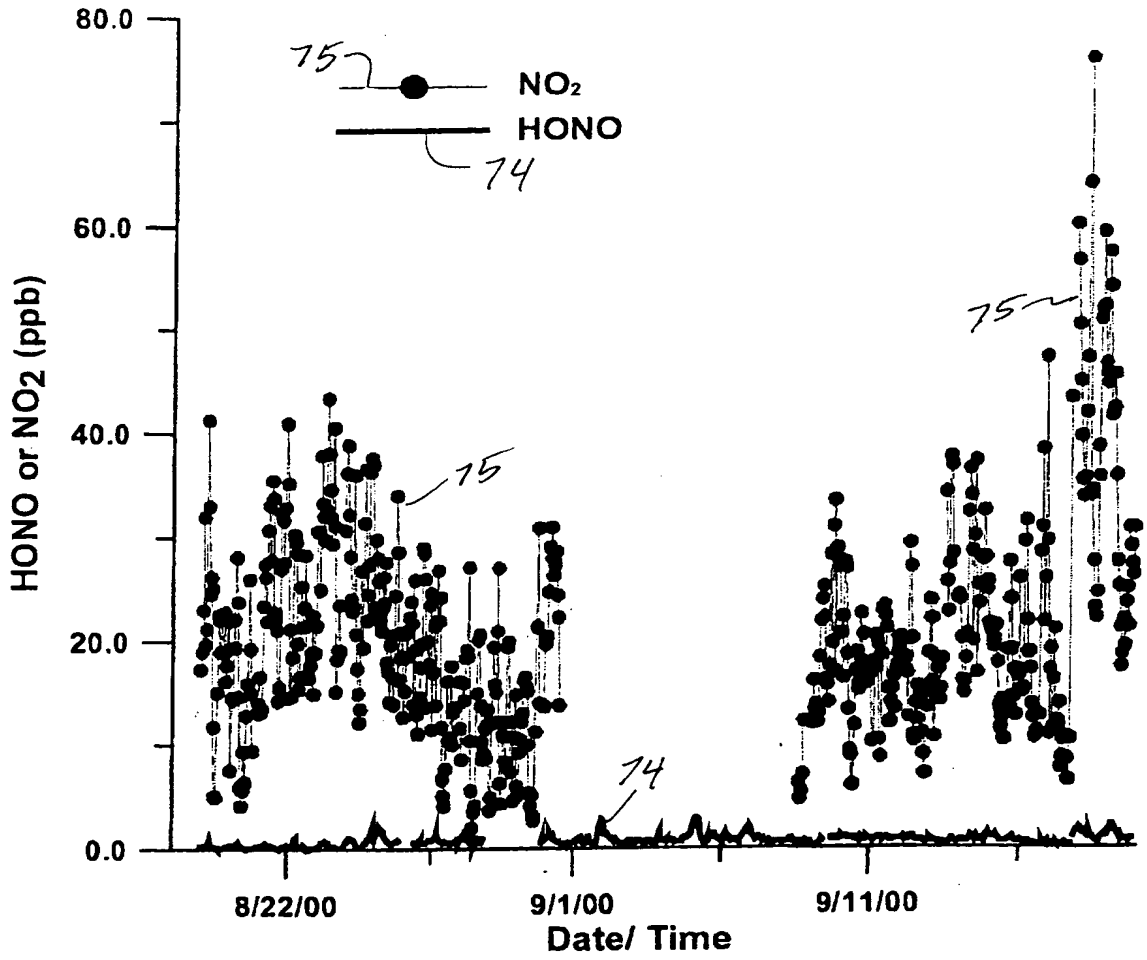

FIGURE 10a

BEST AVAILABLE COPY

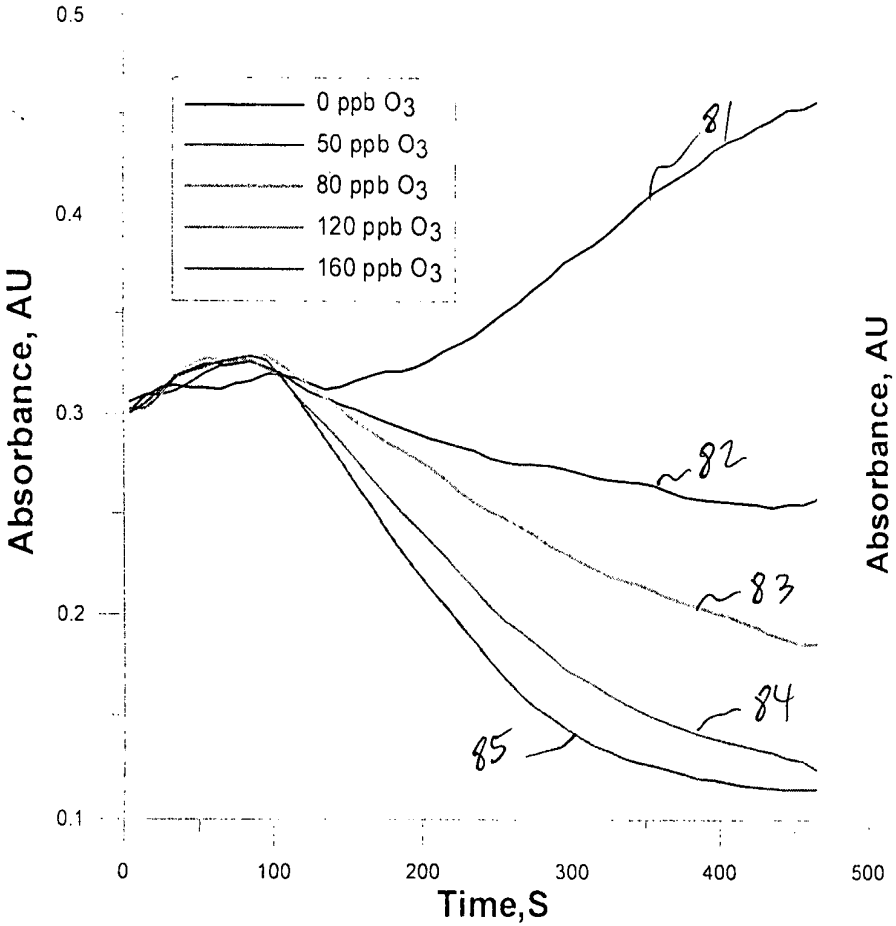

FIGURE 10b

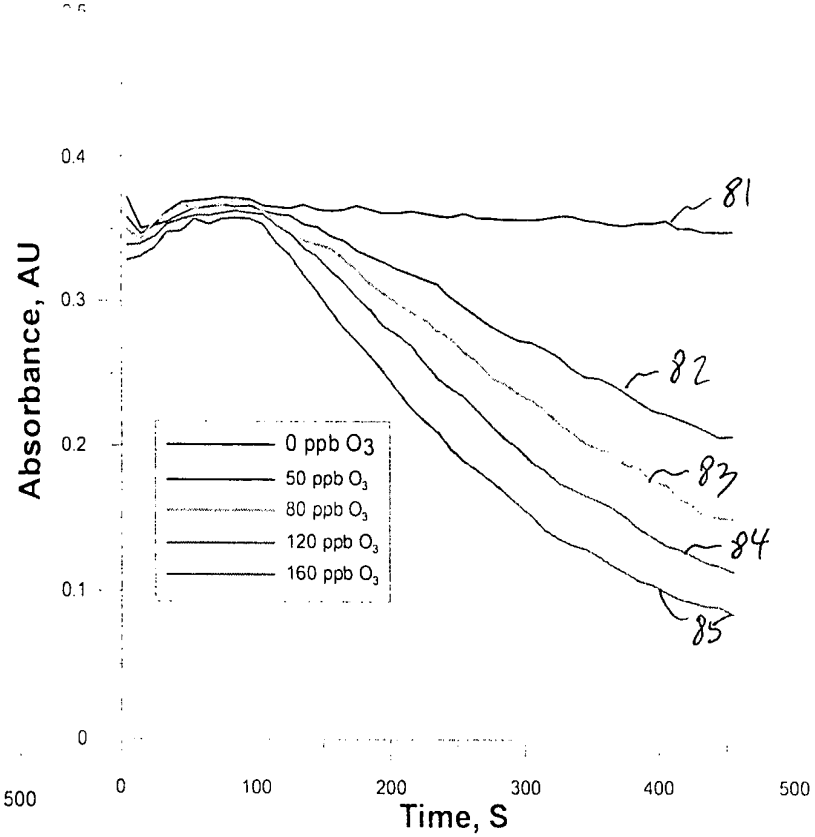

FIGURE 10c

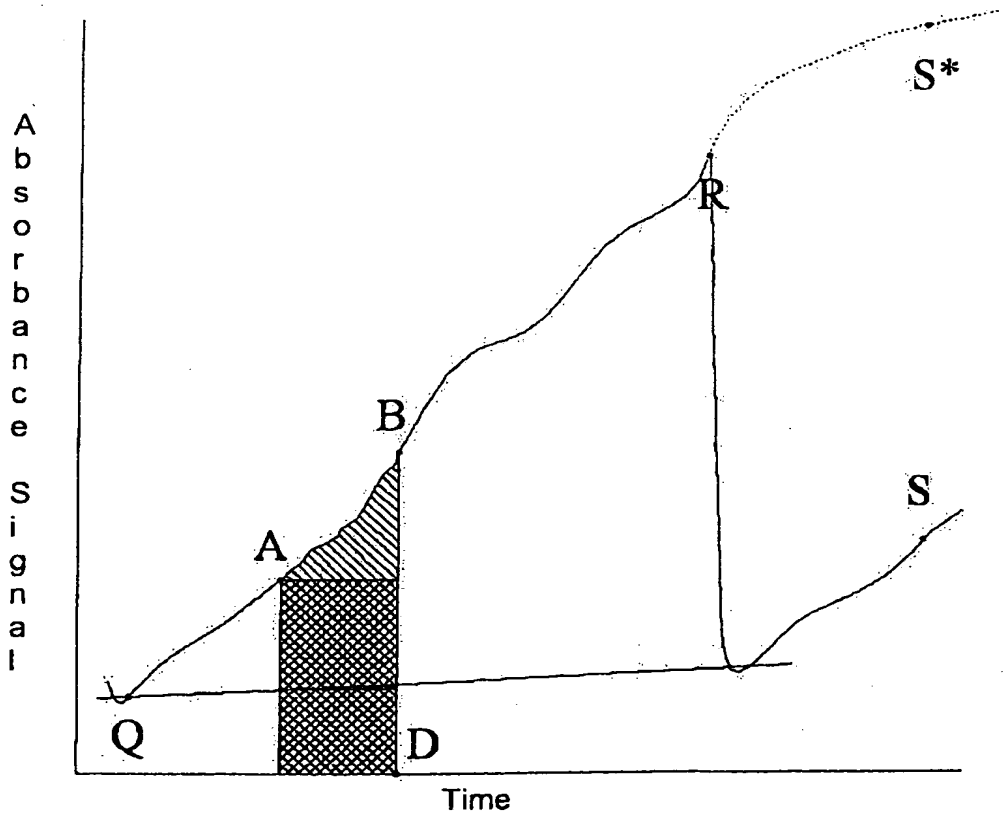

FIGURE 11

BEST AVAILABLE COPY

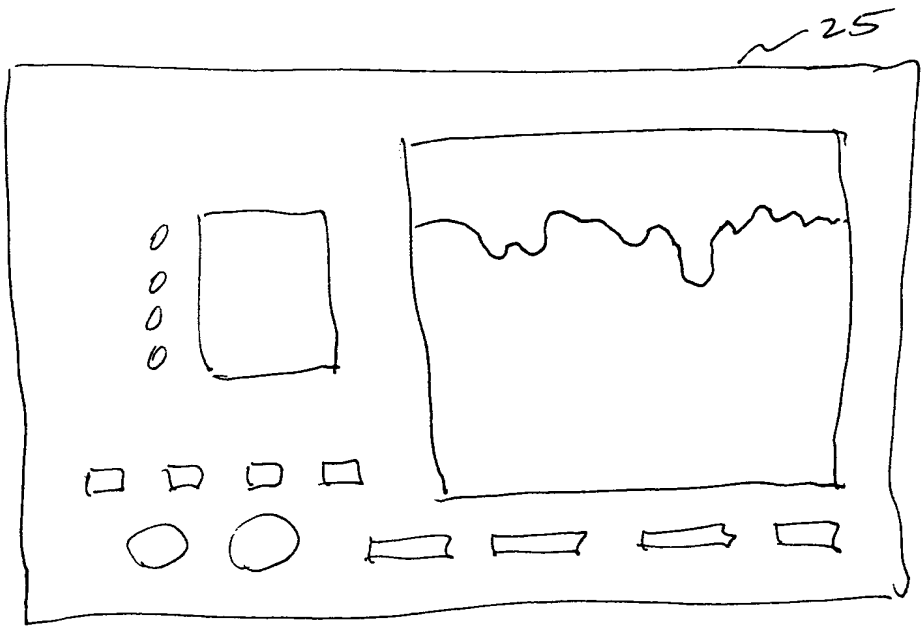

FIGURE 12